32. **I**MPUTATION OF DATA

Short forms were used to obtain information 17 000 about small establishments In these forms ohtained on as less detail was selected items such of supplies employment cost electricity and on the status of wells and for drillina costs and das operations. Certain items omitted entirely, such as man-hours.

To obtain industry totals estimates were nrenared for detail omitted for such establishments on the *basis* of information reported on long forms for similar operations.

Immutation of missing items was feasible hy use of the Census Bureaus high-speed electronic The computer nrocedures for imnutation were short-form two tynes For respondents nroduction develonment and exploration workers and their wanes were imputed trom fixed specified advance from historical relationships of these items total to total employees and For other items (e.g. canital expenditures) the imnutation made n the hasis of historical relationshins of the items to value of shipments or other factors.

For industries characterized by large establishments nercentage the imputation of general measures such as employment navrolls and of supplies expenditures like i۹ small for industries in which establishments account for a large nortion of the imnutations may amount to 10 percent or more.

33. CONFIDENTIALITY OF DATA FOR INDIVIDUAL COMPANIES

The Bureau of the Census is prohibited by law from publishing any statistics

State each not shown senarately table in of the industry chanter a footnote the of establishments and either an employment or the actual employment figure employment is shown in a range if the State employees and the employment renresented for only one or if the exact companies figure would nermit deriving (hy subtraction) the number of employees in other renresented hv only one or two companies In addition figures for States with less than 50 employees in general are shown only in the footnote together with the number οf establishments and employment in a range.

In the Area Volume figures are shown for county or for an industry within a if of such nublication statistics disclose would information for individual companies. table οf 4 that Volume however, the number of establishments distributed by employment size, is tor county by 3-digit industry group.

industries For with $f \rho w$ establishments orconsiderable aeoaranhic concentration it has aniently heen necessary to use geographic regions broader than the traditional nine CENSIIS divisions order tο show establishments by some aranhic arouning For this nurnose following combinations of Census divisions have been used:

NORTHEA

ST

SOUTH

South Atlantic East South Central West South Central

that disclose information reported by individual companies. In the 1962 census as in previous censuses precedence was given to geographic regions

divisions and over individual States in annlving disclosure rules similarly States took precedence counties In tables showing industry detail maior industry group (2-digit) totals were given precedence industry aroun (3-dinit) totals which in turn had nrecedence over individual digit) industries.

Such order of precedence was used hecause (1) it was considered preferable regional show tο data for an industry even at the ∩f withholding cost data for another (usually the least important) in a region rather than to show all nuhlishahle individual for the States disclosure arniin the the United States throughout "all States othe<mark>r"</mark> in an category as was frequently done 1939 the and in (2) by earlier censuses and aivina nrecedence to industry aroun statistics over individual industries within each State the t٥ which extent individual statistics he can compared within the SIC industry classification framework greatly İS increased.

NORTH CENTRAL WEST

East North Central Mountain West North Central Pacific

34. ABBREVIATIONS

The following abbreviations and symbols occur frequently in tables and footnotes:

7.ero Not applicable NA Not available Not elsewhere $n \in C$ classified Kilowatt-hours kwh D Withheld to avoid disclosing figures for individual companies SIC Standard Industrial Classification

Other abbreviations such as Ih an<mark>dh</mark>hl are used in the customary sense "tons" Where the term is used alone it refers to short 2.000tons ωf nounds where the figures are expressed ٥f 2.240 tons nounds the unit of measure is "long specified as tons."